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INTRODUCTION

Overview

Congratulations on your purchase of the new digital camera.
Capturing high-quality digital images is fast and easy with this state-of-the-art smart camera. Equipped with a 7.40-megapixel CCD, this camera is capable of capturing images with a resolution of up to 3072 x 2304 pixels.

Package Contents

Carefully unpack your camera and ensure that you have the following items.

Common Product Components:

- Digital camera
- User's manual
- Docking station
- USB cable
- AC power adapter
- Rechargeable lithium-ion battery

Common (Optional) Accessories:

- SD memory card
- Software CD-ROM
- Camera pouch
- Camera strap

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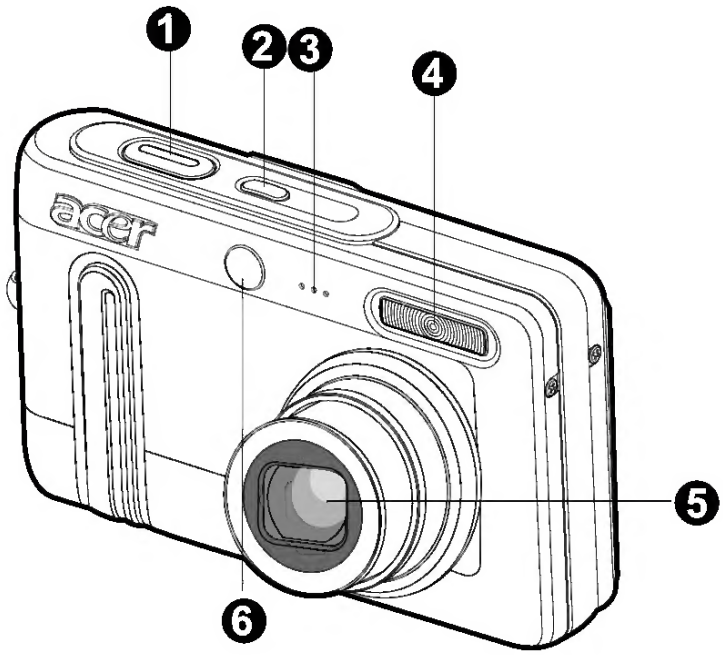
GETTING TO KNOW THE CAMERA

Front View



#	Name	Description
1.	Shutter button	Focuses and locks the exposure of the camera when pressed halfway down, and capture the image when pressed all the way down.
2.	**POWER** button	Turns the camera power on and off.
3.	Microphone	Records audio clips.
4.	Flash	Provides flash illumination.
5.	Lens	3x optical zoom lens allows you to capture telephoto and wide-angle images.
6.	Self-timer LED (AF auxiliary LED)	Blinks during Self-timer mode until image is captured. Lights for auto focusing when capture in dark place.

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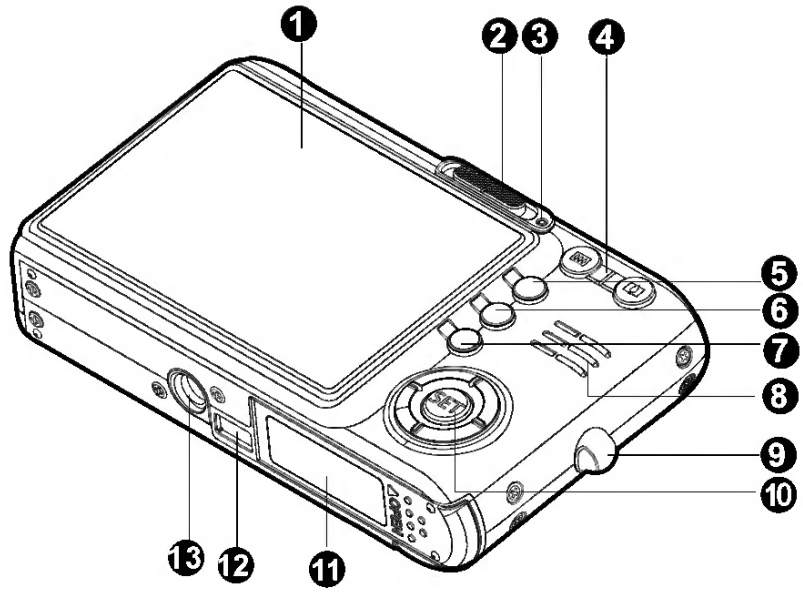
Rear View



#	Name	Description
1.	LCD monitor	Provides menu information to operate the camera, and previews the image before capturing it and review it afterwards.
2.	Mode switch Capture mode Video mode Playback mode	Sets the camera mode. Selects this when capturing still images. Selects this when recording video clips. Performs image playback and deletion.
3.	Status LED	Displays the camera current state.
4.	Zoom in button Zoom out button	Zooms the lens to telephoto position. Zooms the lens to wide-angle position.
5.	**MENU** button	Toggles OSD menu on and off.
6.	Erase button	Allows you to erase the image.
7.	Display button	Changes the information displayed on the LCD monitor.
8.	Speaker	Produces camera sounds and plays recorded audio.
9.	Strap holder	Camera strap attachment.
10.	**SET** /Direction button	Allows you to scroll through menus and image, and then select choices.
11.	Battery / SD memory card cover	Allows access to the battery and insert or remove the memory card.
12.	Camera connector	Connects with the docking station.
13.	Tripod socket	Allows tripod mounting.

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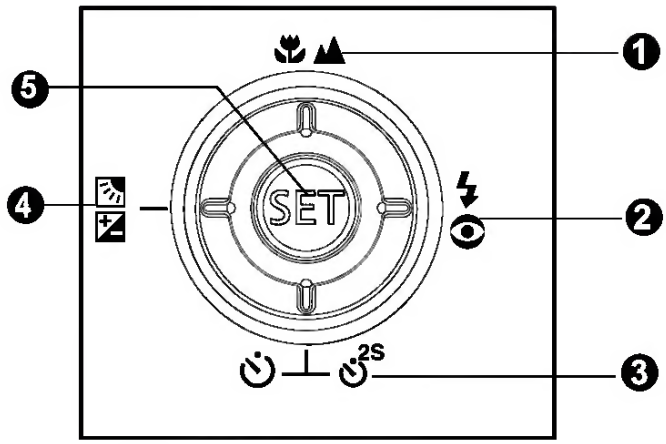
SET /Direction button



#	Name	Description
1.	▲ button Focus button	Scrolls upwards. Allows you to choose the appropriate focus setting.
2.	▶ button Flash button	Scrolls right. Allows you to choose the appropriate flash setting.
3.	▼ button Self-timer button	Scrolls downwards. Allows you to toggle the self-timer on and off, selects the desired self-timer mode.
4.	◀ button Exposure / Backlight correction button	Scrolls left. Allows you to toggle the exposure compensation / backlight correction on compensation and off.
5.	**SET** button	Enters the menu page and confirms the chosen setting.

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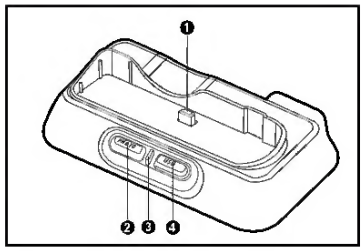
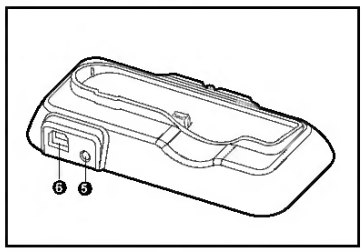
Docking station

With the docking station, you can position your camera and play back your images and video clips on your desktop. You also need the docking station to charge the camera battery with an AC power adapter, and connect to a USB cable.





#	Name	Description
1.	Docking station connector	Connects with the camera.
2.	PHOTO button	Allows you to playback images or video clips on the LCD monitor.
3.	Status LED	Displays the cradle current state.
4.	USB button	Allows you to enter USB mode.
5.	DC IN 5V terminal	Allows you to connect to an AC power adapter to charge the battery or act as power supply during playback or USB mode.
6.	USB terminal	Allows you to connect to a USB cable.

Status LED Indicator

Camera status LED

Color	State	During photography
Green	On	The digital camera is ready to record images (or video clips).
Red	On	Accessing files in progress.
Orange	On	Flash charging in progress.

Cradle status LED

Color	State	During battery charging
Red	On	Charging process in progress.
Green	On	Charging process is completed.

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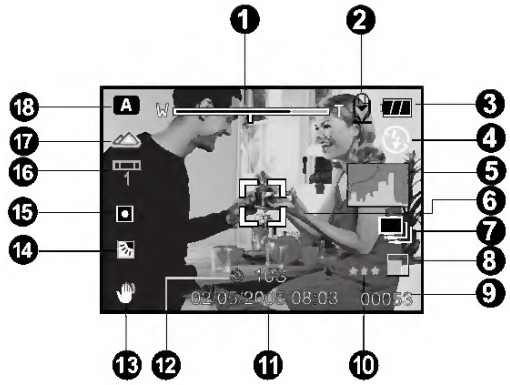
LCD Monitor Icons

Capture mode [ ]



1. Zoom status
2. Voice memo
3. Remaining battery status
   - [ ] Full battery power
   - [ ] Medium battery power
   - [ ] Low battery power
   - [ ] No battery power
4. Flash mode
   - [Blank] Auto flash
   - [ ] Red-eye Reduction
   - [ ] Forced Flash
   - [ ] Flash Off
5. [ ] Histogram
6. Focus area (When the shutter button is pressed halfway)
7. Capture mode
   - [Blank] Single
   - [ ] Continuous
   - [**AEB**] AEB
8. Image size
   - [ ] 3072 x 2304
   - [ ] 2560 x 1920
   - [ ] 1600 x 1200
   - [ ] 640 x 480
9. Possible number of shots
10. Quality
    - [★★★] Fine
    - [★★] Normal
    - [★] Economy
11. Date and time
12. Self-timer icon
    - [**10s**] 10 sec.
    - [**2s**] 2 sec.
    - [**10+2s**] 10+2 sec.
13. Unsteady hold warning icon
14. [ ] Exposure compensation
    - [ ] Backlight correction
15. Metering
    - [Blank] Average
    - [ ] Spot
16. White balance
    - [Blank] Auto
    - [ ] Incandescent
    - [ ] Fluorescent 1
    - [ ] Fluorescent 2
    - [ ] Daylight
    - [ ] Cloudy
    - [ ] Manual
17. Focus mode
    - [Blank] Auto focus
    - [ ] Macro
    - [ ] Infinity
18. Scene mode
    - [A] Auto
    - [ ] Panorama
    - [ ] Portrait Man
    - [ ] Portrait Lady
    - [ ] Landscape
    - [ ] Sports
    - [ ] Night Portrait
    - [ ] Night
    - [ ] Candlelight
    - [ ] Fireworks
    - [ ] Macro
    - [ ] Sunset
    - [ ] Sunrise
    - [ ] Splash Water
    - [ ] Flowing Water
    - [ ] Sepia
    - [ ] Black & White
    - [ ] Snow
    - [ ] Beach
    - [ ] Pets
    - [ ]Manual

NOTE

■ Each press of the [DISP] button switches one step in the sequence of OSD full display, OSD full with Histogram, OSD display off.

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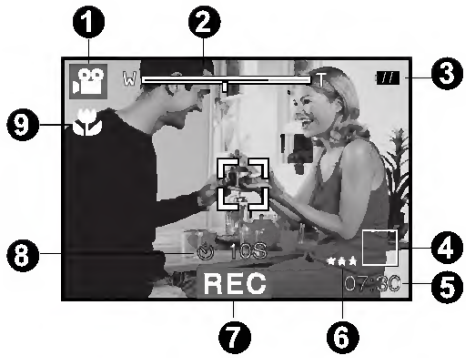
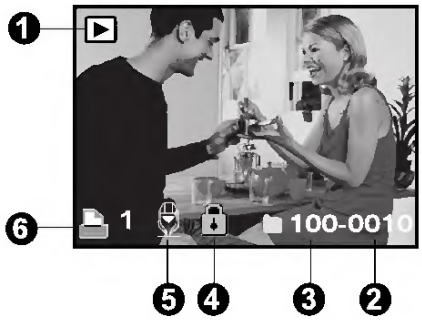
Video mode [🎥]

1. [🎥] Video mode
2. Zoom status
3. Remaining battery status
4. Image size
5. Possible recording time / elapsed time
6. Quality
7. Recording indicator
8. Self-timer icon
9. Focus icon



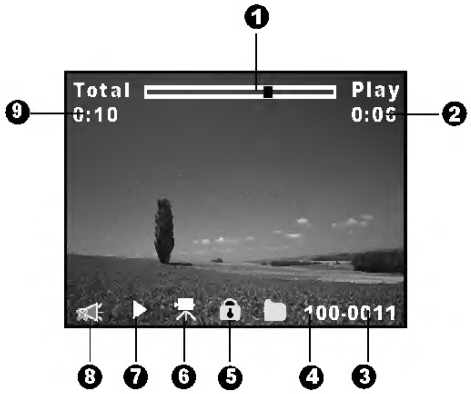
Playback mode [▶] -Still image playback

1. Playback mode
2. File number
3. Folder number
4. Protect icon
5. Voice memo
6. DPOF icon



Playback mode [▶]-Video playback

1. Video status bar
2. Elapsed time
3. File number
4. Folder number
5. Protect icon
6. Video mode
7. Playback mode
8. Sound off icon (When the ▲ button is pressed during video playback)
9. Total recorded time



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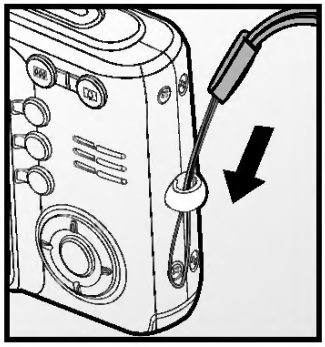
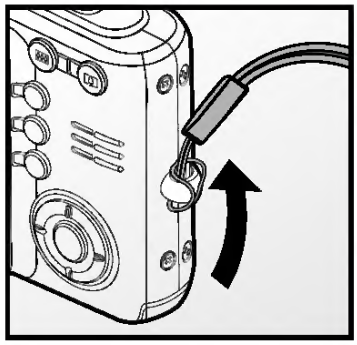
GETTING STARTED

Attaching the Camera Strap

Attach the camera strap as shown in the illustration.



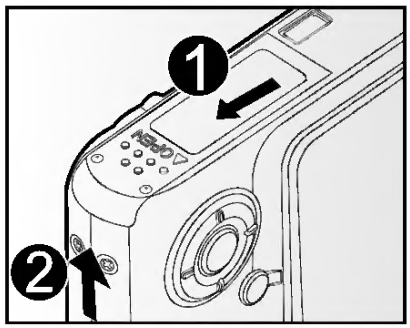


Inserting and Removing the Battery

We highly recommend using specified rechargeable lithium-ion battery (3.7V) to fully demonstrate this camera's function. Charge the battery before using the camera. Make sure that the power of the camera is off before inserting or removing the battery.

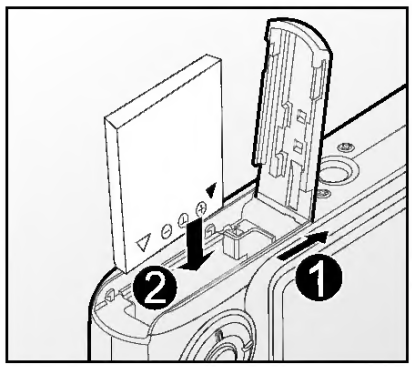
Inserting the Battery

1. Open the battery / SD memory card cover.
2. Insert the battery in the correct orientation shown.
   - Tilt the battery lock lever in the direction of the arrow and orient the battery so that its label is facing to the rear side of the camera, and then insert the battery.
3. Close the battery / SD memory card cover.



Removing the Battery

Open the battery / SD memory card cover and then release the battery lock lever. When the battery has come out a little, slowly pull it out the rest of the way.



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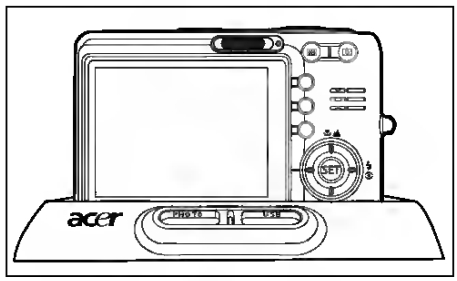
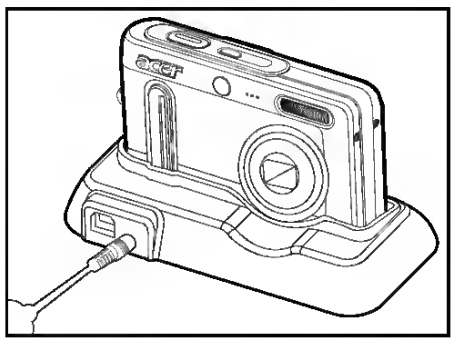
Charging the Battery

You need to use the docking station and AC power adapter to charge the battery. Make sure that the power of the camera is off and then insert the battery before starting.

1. Position the camera on the docking station.
2. Insert one end of the AC power adapter into the DC IN 5V terminal of the docking station.
3. Insert the other end of the AC power adapter into a wall outlet.
   - The docking station LED lights red while the battery is charging and turns into green when the battery is fully charged.
   - It is recommended to fully discharge or exhaust the battery before being charged.
   - Charging time varies according to the ambient temperature and the status of battery.





NOTE

- This camera must be used with specified battery, docking station and AC power adapter for battery charging. Damage caused by the use of an incorrect adapter is not covered under the warranty.
- The battery may feel warm after it has been charged or immediately after being used. This is normal and not a malfunction.
- When using the camera in cold areas, keep the camera and battery warm by holding them inside your outer cloth.
- We recommend the battery should be charged 8 hours as first time use.

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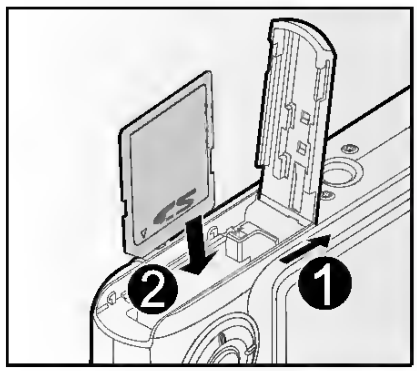
Inserting and Removing the SD Memory Card (Optional Accessory)

The digital camera comes with 32 MB of internal memory (approx. 26 MB for image storage), allowing you to store captured still images or video clips in the digital camera. However, you can also expand the memory capacity by using an SD memory card so that you can store more files.

Inserting the SD memory card

1. Open the battery/SD memory card cover.
2. Insert the SD memory card in the correct orientation shown.
   - Hold the SD memory card with its front side of the SD memory card (printed arrow) facing the rear side of the camera, and then insert the card as far as it can go.
3. Close the battery/SD memory card cover.

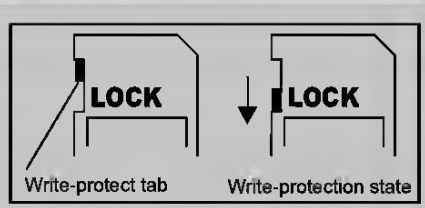


Removing the SD memory card

Open the battery/SD memory card cover, press lightly on the edge of the SD memory card and it will eject.

NOTE

- To prevent valuable data from being accidentally erased from an SD memory card you can slide the write-protected tab (on the side of the SD memory card) to "LOCK".
- To save, edit or erase data on an SD memory card, you must unlock the card.
- Be sure to format an SD memory card with this digital camera before using it.



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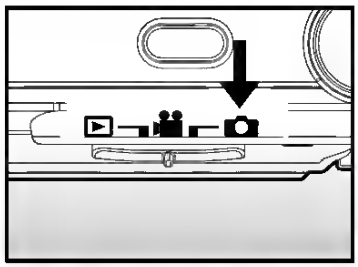
Setting the Date and Time

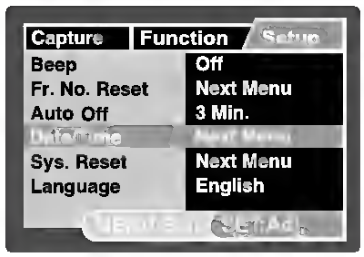
The date/time needs to be set if/when:

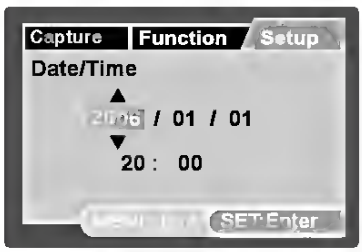
- Camera is turned on for the first time.
- Camera is turned on after leaving the camera without the battery for an extended period of time.

When the date and time information is not displayed on the LCD monitor, follow these steps to set the correct date and time.

1. Slide the mode switch to [📷] or [🎥].
2. Press the **MENU** button and select [Setup] menu with the ▶button.
3. Select [Date/Time] with the ▲ / ▼ buttons and press the **SET** button.
   - The Date/Time setting screen will be displayed.
4. Select the item's field with the ◀ / ▶ buttons and adjust the value for the date and time with the ▲ / ▼ buttons.
   - The date and time is set in the order year-month-day-hour-minute.
   - The time is displayed in 24-hours format.
5. After confirming all settings are correct, press the **SET** button.







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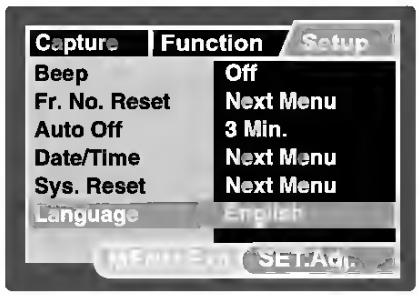
Choosing the Language

Specify in which language menus and messages are to be displayed on the LCD monitor.

1. Slide the mode switch to [📷] or [🎥] or [▶].
2. Press the **MENU** button and select [Setup] menu with the ▶ button.
3. Select [Language] with the ▲ / ▼ buttons and press the **SET** button.
   - The Language setting screen will be displayed.
4. Select the displayed language with the ▲ / ▼ buttons and press the **SET** button.
   - The setting will be stored.



[📷] / [🎥] Mode

[▶] Mode

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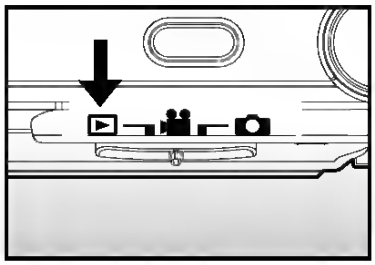
Formatting the SD Memory Card or Internal Memory

This utility formats the internal memory (or memory card) and erases all stored images and data.

1. Slide the mode switch to [▶].



2. Press the **MENU** button and select [Setup] menu with ▶ button.
3. Select [Format] with the ▲ / ▼ buttons, then press the **SET** button.
4. Select [Execute] with the ▲ / ▼ buttons, and press the **SET** button.
   - To cancel formatting, select [Cancel] and press the **SET** button.

NOTE

- To format the internal memory, do not insert an SD memory card into the camera. Otherwise, you will format the SD memory card.
- Formatting the SD memory card also erases the protected images. All data other than images are also erased. Before formatting the card, make sure that all the images are unnecessary.
- Formatting is an irreversible action and data cannot be recovered at a later time.
- An SD memory card having any problem cannot be properly formatted.

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Setting Image Resolution and Quality

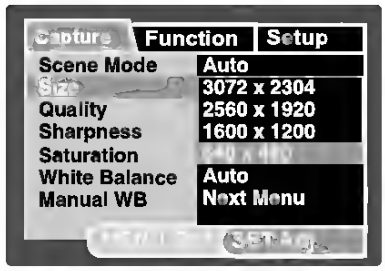
Resolution and quality settings determine the pixel size (dimension), image file size, and compression ratio for your images. These settings affect the number of images that can be stored. As you get to know the camera, it is recommended that you try each quality and resolution setting to get an appreciation for the effects that these settings will have on your images.

Higher resolution and higher quality images offer the best photographic results but produce large file sizes. Therefore, few images will take up a lot of memory space.

High resolution and quality settings are recommended for printed output and situations requiring the finest detail. Lower resolution/quality images take up less memory space and may be quite suitable for sharing images via e-mail, in a report, or on a web page.

To change image resolution or image quality, perform these steps below:

1. Slide the mode switch to [📷] or [🎥].
2. Press the **MENU** button.
   ■ [Capture] menu is displayed.
3. Select [Size] with the ▲ / ▼ buttons, and press the **SET** button.
4. Select the desired setting with the ▲ / ▼ buttons, and press the **SET** button.
5. Select [Quality] with the ▲ / ▼ buttons, and press the **SET** button.
6. Select the desired setting with the ▲ / ▼ buttons, and press the **SET** button.
7. To exit from the menu, press the **MENU** button.



[📷] Mode

[🎥] Mode

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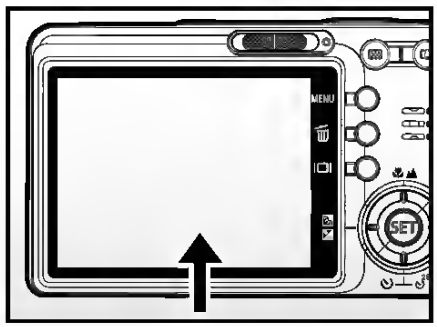
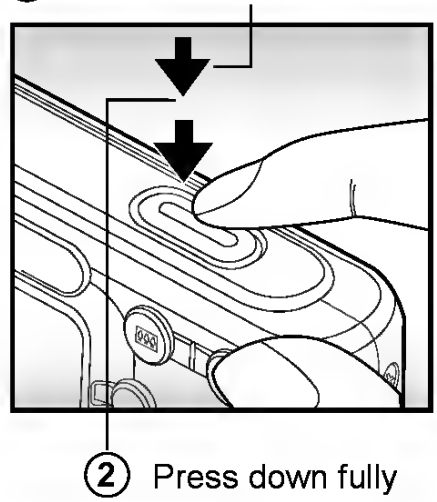
PHOTOGRAPHY MODE

[📷] Capture Mode

Your camera is equipped with a 2.5" full color LTPS LCD monitor to help you compose images, playback recorded images/video clips or adjust menu settings.

1. Press the **POWER** button to turn the power on.
2. Slide the mode switch to [📷].
3. Compose your image in the LCD monitor.
4. Press the shutter button.
   - Pressing the shutter button down halfway automatically focuses and adjusts the exposure, and pressing the shutter button down fully captures the images.
   - The focus area frame turns blue when the camera is in focus and the exposure is calculated.
   - When the focus or exposure is not suitable, the frame of the focus area turns yellow.
   - If the photographic preview is set to "On", the captured image will be displayed while the image is being recorded onto the SD memory card.





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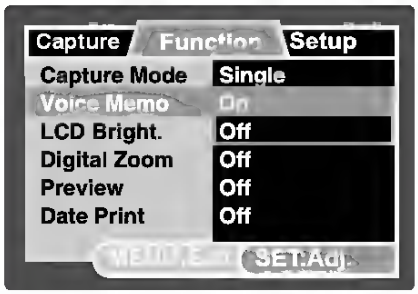
Recording Voice Memos

A voice memo can be recorded once for 30 seconds at still image mode immediately following a still image captured.



1. Slide the mode switch to [📷].
2. Press the **MENU** button, and select the [Function] menu with the ▶ button.
   - [Function] menu is displayed.
3. Select [Voice Memo] with the ▲ / ▼ buttons, and press the **SET** button.
4. Select [On] with the ▲ / ▼ buttons, and press the **SET** button.
5. Press the **MENU** button to exit from the menu.
   - [🎙] icon is displayed on the screen.
6. Compose the image, press the shutter button down halfway, then press it down fully.
   - [VOICE RECORDING] is displayed on the screen immediately, and the voice memo recording starts.
7. Press the shutter button one more time during recording, or wait for 30 seconds.
   - [VOICE RECORD END] will be displayed and the recording will end.
   - A [🎙] icon is displayed with images that have been recorded with a voice memo.

NOTE

- Voice memo is only available in [Single] capture mode.
- Voice memo is automatically fixed at [Off] in [Continuous] or [AEB] capture mode.

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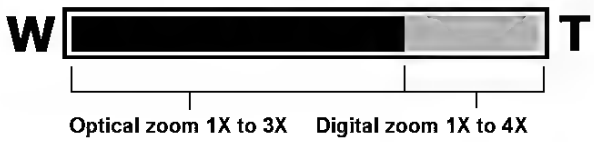
Using the Digital Zoom

Using a combination of 3 times optical zoom and 4 times digital zoom permits zoom photography of up to 12 times to suit the subject and the distance. The digital zoom is a compelling feature, the more an image is enlarged (zoomed), the more pixelated (grainier) the image will appear.

1. Slide the mode switch to [📷] or [🎥].
2. To enable the digital zoom:
   a. Press the **MENU** button.
   b. Select [Function] with the ◀ / ▶ buttons.
   c. Select [Digital Zoom] with the ▲ / ▼ buttons, and press the **SET** button.
   d. Select [On] with the ▲ / ▼ buttons again, and press the **SET** button.
   e. Press the **MENU** button to exit from the menu screen
   f. To activate the digital zoom, press and hold the 🔍 button completely until the image on the LCD monitor expands.



3. Press the shutter button to capture a "zoomed" image.

NOTE

- The zoom setting is automatically cancelled by either turning the camera off or the activation of the Auto Off function.

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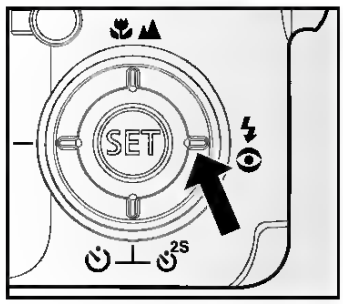
Setting the Flash

Set the flash for capturing images. The flash firing mode can be set to suit for the photographic conditions.

1. Slide the mode switch to [📷].
2. Toggle the ⚡👁 button to select the desired flash mode.



The available flash settings in different photography modes:

		[Blank] Auto Flash	👁⚡	⚡	⚡
Scene Mode	Auto	O	O	O	O
	Panorama	O	O	O	O
	Portrait Man	X	O	X	X
	Portrait Lady	X	O	X	X
	Landscape	X	X	X	O
	Sports	X	X	X	O
	Night Portrait	X	O	X	X
	Night	X	X	X	O
	Candlelight	X	X	X	O
	Fireworks	X	X	X	O
	Macro	X	X	X	O
	Sunset	X	X	X	O
	Sunrise	X	X	X	O
	Splash Water	O	O	O	O
	Flowing Water	X	X	X	O
	Sepia	O	O	O	O
	Black & White	O	O	O	O
	Snow	X	X	X	O
	Beach	X	X	X	O
	Pets	O	O	O	O
	Manual	O	O	O	O
Capture Mode	Single	O	O	O	O
	Continuous	X	X	X	O
	AEB	X	X	X	O
Focus Mode	Auto	O	O	O	O
	Macro	O	O	O	O
	Infinity	O	O	O	O

* This table is for reference only and varies according to different combination of photography modes.

* O: Available X: Unavailable

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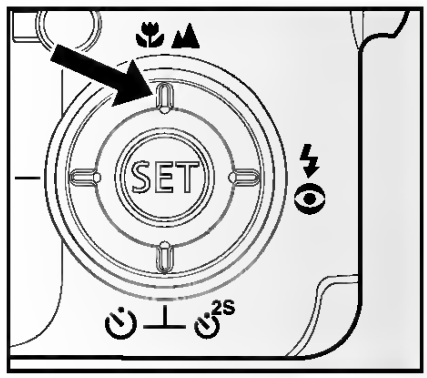
Setting the Focus

Images can be captured with the distance to the subject set by auto focus, [ ] macro or [ ] infinity.

1. Slide the mode switch to [ ] or [ ].
2. Toggle the /▲ button to select the desired focus mode.



The table below will help you choose the appropriate focus mode:

Focus mode	Description
[Blank]Auto Focus	Selects this when you want to leave the settings up to the camera so that you can capture images without paying attention to settings. Approximately 50 cm to infinity (both Wide and Tele).
[ ] Macro	Selects this when you want to capture a close up image. Wide (zoom off) : Approximately 6 cm to infinity. Tele (at optical zoom 3x) : Approximately 35 cm to infinity.
[ ] Infinity	Selects this when you want to capture images of subjects at a distance of infinity.

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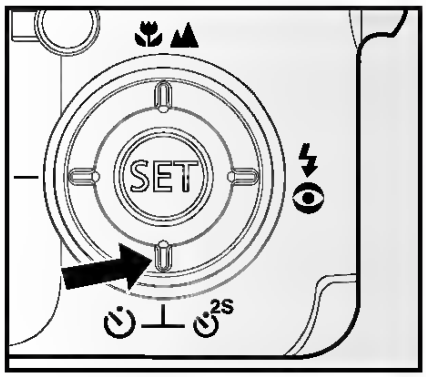
Setting the Self-timer

This setting allows images to be captured with the self-timer.

1. Slide the mode switch to [📷] or [🎥].
2. Toggle the ⏲ button to select the setting.
   - For the [📷] mode.
     OFF → [⏲ **10s**] 10 sec. → [⏲ **2s**] 2 sec.
     ← [⏲ **10+2s**] 10+2 sec. ←
   - For the [🎥] mode.
     OFF → [⏲ **10s**] 10 sec. → [⏲ **2s**] 2 sec.



3. Compose the image, press the shutter button down halfway, then press it down fully.
   - The self-timer LED flashes and the image is captured after the preset time has elapsed.
   - The countdown is displayed on the LCD monitor.
   - To cancel the self-timer during operation, press the shutter button halfway.

The table below will help you choose the appropriate self-timer mode:

Self-timer mode	Description
[⏲ **10s**] 10 sec.	The image is captured about 10 seconds after the shutter button is pressed.
[⏲ **2s**] 2 sec.	The image is captured about 2 seconds after the shutter button is pressed.
[⏲ **10+2s**]10+2 sec.	One image is captured about 10 seconds after the shutter button is pressed, and the other image iscaptured again after 2 seconds. This is convenient when capturing group images in succession.

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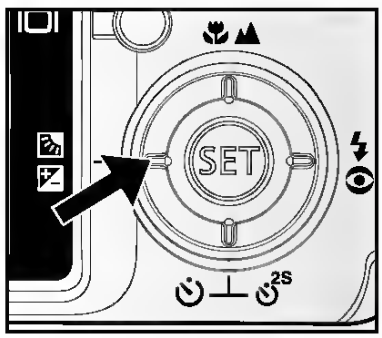
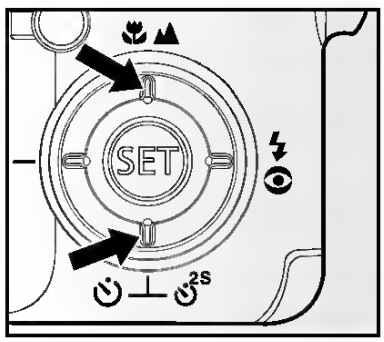
Exposure Compensation/Backlight Correction

Images can be captured with the overall screen intentionally made brighter or darker. These settings are used when a suitable brightness (exposure) cannot otherwise be obtained in circumstance where the difference in brightness between the subject and the background (the contrast) is large, or when the subject that you want to photograph is very small within the screen. Exposure can be set in 0.3 EV units.

1. Slide the mode switch to [📷] and press the ⊞ button.
   - Each press of the ⊞ button displays the setting in the order of [Blank], [⊞] Backlight Correction, and [⊞] Exposure Compensation.



2. Set the exposure value with the ▲ / ▼ buttons.
   - Press the ▲ button to increase the value.
   - Press the ▼ button to decrease the value.
   - The setting range of the exposure compensation is as follows.
     -2.0, -1.7, -1.3, -1.0, -0.7, -0.3, 0, +0.3, +0.7, +1.0, +1.3, +1.7, +2.0
   - Press the ⊞ button to confirm the setting.
   - The larger the value, the brighter the image. The smaller the value, the darker the image.
     The set value is displayed on the screen.



Effective Subjects and Set Values

- + (positive) compensation
  * Printed matter comprising black text on whitish paper
  * Backlighting
  * Bright scenes or strong reflected light such as ski slopes
  * When the sky accounts for a large area on the screen
- - (negative) compensation
  * People illuminated by a spotlight, in particular, against dark background
  * Printed matter comprising white text on blackish paper
  * Weak reflecting bodies such as evergreen trees or darkish leaves
- Backlight correction (+1.3, fixed)
  * When the background is bright and the subject is dark.
  * When subjects (people) have a light source such as the sun to their backs.

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Setting the Scene Mode

By simply selecting one of the following 21 modes, you can capture the image with most appropriate settings.

1. Slide the mode switch to [📷].
   a. Press the **MENU** button.
   b. Select [Scene Mode] with the ▲/▼ buttons, and press the **SET** button.
   c. Select the desired scene mode with the ▲/▼ buttons, and press the **SET** button.
2. Compose the image, press the shutter button down halfway, and then press it down fully.

The table below will help you choose the appropriate scene mode:

Scene mode	Description
[A] Auto	Camera automatically determines settings needed for the best picture.
[ ] Panorama	To create 360° panoramic images.
[ ] Portrait Man	To photograph a man and blur out the background.
[ ] Portrait Lady	To photograph a lady and blur out the background.
[ ] Landscape	To photograph mountains, forests or other landscape scenery rich in color.
[ ] Sports	To photograph fast-moving objects.
[ ] Night Portrait	Red-eye reduction and low shutter speed to capture nighttime portraits.
[ ] Night	To photograph scenes at night.
[ ] Candlelight	Softer focus and daylight white balance (tripod use suggested).
[ ] Fireworks	Small aperture setting and slow shutter speed (tripod use suggested).
[ ] Macro	For close-up photography.
[ ] Sunset	Small aperture setting and daylight white-balance, ideal for use where shades of red are prominent.
[ ] Sunrise	High color saturation and deeper red shades.
[ ] Splash Water	Fast shutter speed.
[ ] Flowing Water	Slow shutter speed to capture soft flowing water and detailed backgrounds.
[ ] Sepia	Capture sepia tone images.
[ ] Black & White	Capture black and white images.
[ ] Snow	Capture clear snow scenes without darkened subjects and bluish tint.
[ ] Beach	Capture bright beach scenes and sunlit water surfaces.
[ ] Pets	High shutter speed to capture lively pets in action.
[ ] Manual	User-defined exposure and white balance.

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Setting the Panorama Mode

This mode is designed to make it easier to capture a series of shots then stitch them together with software to make a single image. You can capture a photographic subject that won't fit into a single frame, such as a landscape, and stitch it together later with a program such as Cool 360 or Photoshop application.

1. Slide the mode switch to [📷].
2. Press the **MENU** button.
3. Select [Scene Mode] with the ▲ / ▼ buttons, and press the **SET** button.
4. Select [Panorama] with the ▲ / ▼ buttons, and press the **SET** button.
5. Shoot the first image.
   ■ The next image appears beside the previous image.
6. Orient the camera so that the second frame overlaps a small portion of the photographic subject of the first image and press the shutter button to capture the next image.
7. Follow the same steps to capture subsequent images in the sequence.
8. Finish the sequence by pressing the **MENU** button or switch to another mode after the last image has been recorded.

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[🎥] Video Mode

This mode allows you to record video clips at a resolution of 320 x 240 / 640 x 480 pixels. You can select audio to be recorded or not.

1. Slide the mode switch to [🎥].
2. Compose the image.
3. Press the shutter button.
   - The recording of the video clip will start.
   - Pressing the shutter button one more time will end the recording of the video clip.
   - The recording time depends on the storage size and the subject of the image to be recorded.
   - Zoom function cannot be used during video recording.

- When recording a video clip, the flash cannot be used.
- If the access speed of your SD memory card is not enough for recording video clips in the currently selected quality, a warning icon [SD] will appear, and then the video recording will stop. In this case, select a video quality lower than the current one.

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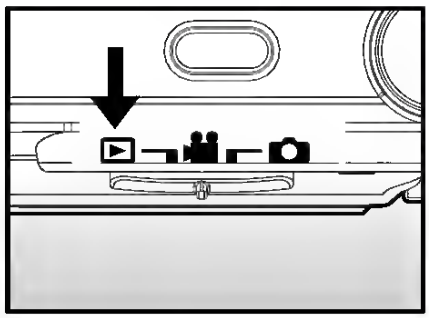
[▶] PLAYBACK MODE

Playing Back Still Images

You can play back the still images on an LCD monitor.

1. Slide the mode switch to [▶].
   - The last image appears on the screen.
2. The images can be fed in reverse or fed forward with the ◀ / ▶ buttons.
   - To view the previous image, press the ◀ button.
   - To view the next image, press the ▶ button.



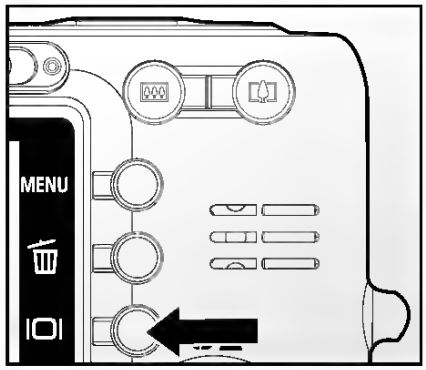
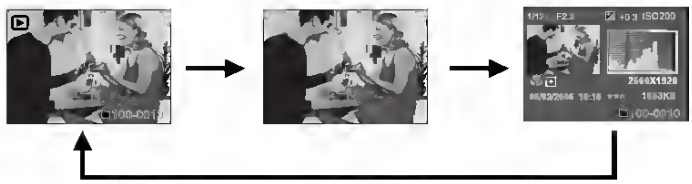


Image Display Information

You can switch the state of the information display by pressing the |◯| button when playing back images. Each press of the |◯| button switches the information display state in the following order:



NOTE

- Pressing the ▲ / ▼ buttons during image playback will result in a 90 degree rotated display.
- The ▲ button rotates the image counterclockwise and displays it, whereas the ▼ button rotates the image clockwise and displays it. A press of the button opposite to the direction in which the image was rotated will return the image to the normal display.
- [🎬] icon is displayed with the video data. Video clips cannot be rotated.
- A [🎤] icon is displayed with images which have an audio memo recorded.
- Press the **SET** button to playback the voice memo data.

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Playing Back Video Clips

You can play back video clips recorded on the LCD monitor. You can also play back sound if you recording with the audio.

1. Slide the mode switch to [▶].
   - The last image appears on the screen.
2. Select the desired video clip with the ◀ / ▶ buttons.
3. Press the SET button.
   - A press of the ▶ / ◀ buttons during playback allows fast forward play / fast reverse play.
   - To stop video playback, press the ▼ button.
     This stops playback and returns to the start of the video clip.
   - To pause video playback, press the **SET** button.
     This pauses video playback.
     To cancel pause, press the **SET** button again.

NOTE

- Video clips cannot be displayed rotated or enlarged.

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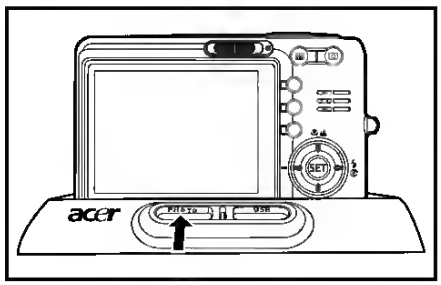
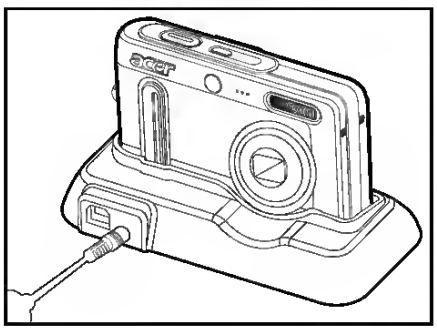
Playing Back Still Images/Video Clips on the Docking Station

You can also playback your images or video clips on the docking station.

1. Position the camera on the docking station.
   - It is recommended to use the AC power adapter when playing back images or video clips on the docking station.
2. Press the **POWER** button to turn on the camera.
   - The last image appears on the screen.
3. Play back the still images / video clips.
   - The method of operation is the same as playing back still images and video clips on the camera.





Attaching Voice Memos

A maximum of 30 seconds of audio can be recorded like a memo for captured still images. The voice memo can be recorded only once.

1. Slide the mode switch to [▶].
   - The last image appears on the screen.
2. Select the image that you want to attach the voice memo with the ◀ / ▶ buttons.
3. Press the shutter button.
   - [VOICE RECORDING] is displayed on the screen and recording starts.
4. To stop recording voice memo during recording, press the shutter button again.
   - [VOICE RECORD END] will be displayed and the recording will end. A [🎙] icon is displayed with images that have been recorded with a voice memo.

Playing back voice memo

A press of the **SET** button displays [VOICE PLAYBACK] and plays back the voice memo.

NOTE

- Voice memo is only available for still images.

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Thumbnail Display

This function allows you to view 9 thumbnail images on the LCD monitor at the same time, which can quickly search for the image that you want.

1. Slide the mode switch to [▶].
   - The last image appears on the screen.
2. Press the ⁂ button.
   - The images are displayed in the thumbnail display. Images that have been selected with the ▲ / ▼ / ◀ / ▶ buttons will be indicated by a yellow frame.
   - When there are ten or more images, scroll the screen with the ▲ / ▼ buttons.
3. Press the ▲ / ▼ / ◀ / ▶ buttons to select the image to be displayed at regular size.
4. Press the **SET** button.
   - The selected image is displayed at its regular size.

NOTE

- A [ ], [ ], [ ], [ ] icon will be displayed in a thumbnail display.

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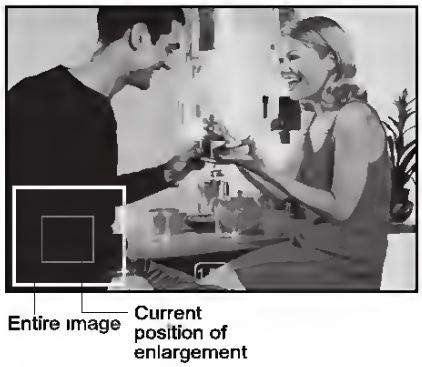
Zoom Playback

This mode also allows you to enlarge your image on the selected portion of the image to check for small details.



1. Slide the mode switch to [▶].
2. Press the ◀ / ▶ buttons to select the image you want to enlarge.
   - ■ You can also select the image you want to enlarge from the thumbnail display.
3. Adjust the zoom ratio with the ♦ / ♦♦♦ buttons.
   - ■ Pressing the ♦ button enlarges the image.
   - ■ To return to normal magnification, press the ♦♦♦ button.
   - ■ The magnification factor is displayed on the LCD monitor.
   - ■ The image is displayed enlarged, and a blue frame and yellow frame are displayed on the LCD monitor.
   - ■ The blue frame indicates the entire image, while the yellow frame shows the location of the currently enlarged area.
4. Press the ▲ / ▼ / ◀ / ▶ buttons to select the area to enlarge.
5. To return to regular display, toggle the ♦♦♦ button until the regular display appears on the screen.

NOTE

■ The range of magnification factor is from 1x to 4x in 0.5x increments.

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Slideshow Display

The slideshow function enables you to playback your still images automatically in order one image at a time.

1. Slide the mode switch to [▶].
2. Press the **MENU** button.
   - The playback menu is displayed.
3. Select [Slide Show] with the ▲ / ▼ buttons, and press the **SET** button.
4. Select the desired interval time with the ▲ / ▼ buttons, and press the **SET** button.
   - The slideshow starts.
5. To stop the slide show during playback, press the **SET** button.
   - The image is displayed on screen when you press the **SET** button.

NOTE

- The Auto Off function does not operate during slide show.
- All still images in the folder are automatically played back.

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Protecting Images

Set the data to read-only to prevent images from being erased by mistake.

Protecting Images

1. Slide the mode switch to [▶].
2. Select the image that you want to protect with the ◀ / ▶ buttons.
3. Press the **MENU** button.
   - The playback menu is displayed.
4. Select [Protect] with the ▲ / ▼ buttons, and press the **SET** button.
5. Select [Single] or [All] with the ▲ / ▼ buttons, and press the **SET** button.
6. Select [Set] with the ▲ / ▼ buttons, and press the **SET** button.
   - Protection is applied to the image and the camera returns to the playback mode.
   - The protect icon [🔒] is displayed with protected images. When [All] has been selected, [🔒] is displayed with all the images.

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Canceling the Protection

To cancel protection for only one image, display the image that you want to remove the image protection.

1. Select [Protect] with the ▲ / ▼ buttons from the playback menu, and press the **SET** button.
2. Select [Single] or [All] with the ▲ / ▼ buttons, and press the **SET** button.
3. Select [Cancel] with the ▲ / ▼ buttons, and press the **SET** button.
   - The removal of image protection is executed and the camera returns to the playback mode.

Protecting multiple images simultaneously

1. Select [Protect] with the ▲ / ▼ buttons from the playback menu, and press the **SET** button.
2. Select [Select] with the ▲ / ▼ buttons, and press the **SET** button.
   - The images are displayed in the thumbnail display.
3. Select the image you want to protect with the ▲ / ▼ / ◀ / ▶ buttons, and press the |▢| button.
   - The protect icon [🔒] is displayed with protected images. Selecting a protected image and pressing the |▢| button again will cancel the protection. This procedure is repeated to select multiple images.
4. Press the **SET** button.
   - Protection and cancellation the protection are executed and the camera returns to playback mode.

NOTE

- Formatting an SD memory card overrides protection, and erases all images regardless of their protected status.

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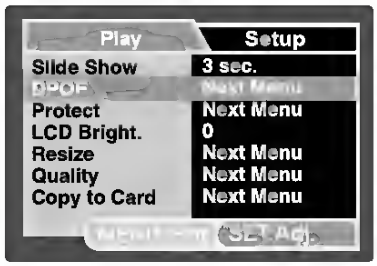
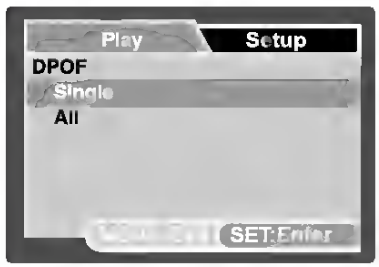
DPOF Settings

DPOF is the abbreviation for Digital Print Order Format, which allows you to embed printing information on your memory card. You can select the images to be printed and how many prints to make with the DPOF menu in the camera and insert the memory card to the card compatible printer. When the printer starts printing, it will read the embedded information on the memory card and print the specified images.

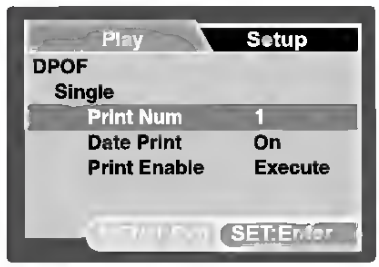
1. Slide the mode switch to [▶].
2. Select the image that you want to set DPOF with the ◀ / ▶ buttons.
3. Press the **MENU** button.
   - The playback menu is displayed.



4. Select [DPOF] with the ▲ / ▼ buttons, and press the **SET** button.
   - The DPOF setting screen is displayed.
5. Select [Single] or [All] with the ▲ / ▼ buttons, and press the **SET** button.
   - [Single]: Sets DPOF for each individual image.
   - [All]: Sets DPOF for all images at once.



6. Select [Print Num] with the ▲ / ▼ buttons, and press the **SET** button.
   - This displays the number of prints setting screen.
7. Set the number of prints with the ▲ / ▼ buttons, and press the **SET** button.
   - You can set up to 9 prints for each image.
8. Select [Date Print] with the ▲ / ▼ buttons, and press the **SET** button.
   - The date setting screen appears.



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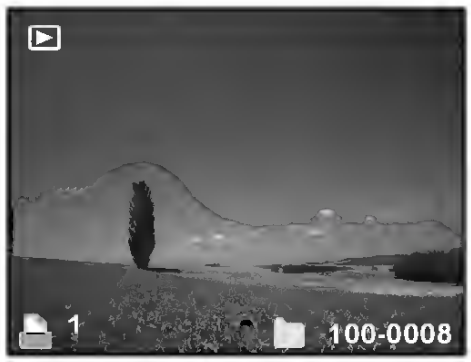
9. Select date to [On] or [Off] with the ▲ / ▼ buttons, and press the **SET** button.
   - [On]: The date of the image will also be printed.
   - [Off]: The date of the image will not be printed.
10. Select [Print Enable] with the ▲ / ▼ buttons, and press the **SET** button.
11. Select [Execute] with the ▲ / ▼ buttons, and press the **SET** button.
    - This creates a file containing the DPOF information, and when the operation is finished, the screen returns to the playback mode.
    - The DPOF icon [ ] is displayed on each image that has set up DPOF settings.



NOTE

- The date that is printed on the image is the date set on the camera. To print the correct date on the image, set the date on the camera before you capture the image. Refer to section in this manual titled “Setting the Date and Time” for further details.

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Resizing an Image

Resizes a previously saved image.
Resizing replaces the original image with the changed image. Only resizing to the smaller size is available.

The following images cannot be resized:

- Image size (640 x 480)
- Image captured with other camera
- Protected images
- Video clips
- Images cannot be resized when the SD memory card is write protected

1. Select the image that you want to resize.
2. Press the **MENU** button.
3. Select [Resize] with the ▲ / ▼ buttons, and press the **SET** button.
4. Select the image size that you want to change with the ▲ / ▼ buttons, and press the **SET** button.
   - To quit resizing, press the **MENU** button.
   - When resizing ends, the screen returns to playback mode.

NOTE

- It is possible to reduce the size of an image. It is not possible to increase the size of an image, or to restore size after it has been decreased.

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Compressing an Image

Changes the quality (compression rate) of a recorded image.
Compresses images down to half of their size or more, overwrites an old size images with a newly compressed image. Only quality changing to the lower quality level is available.

The following images cannot be resized:

- (Economy) quality images
- Images captured with other camera
- Protected images
- Video clips
- Images cannot be changed quality when the SD card is write-protected

1. Select the image that you want to change its quality.
2. Press the **MENU** button.
3. Select [Quality] with the ▲ / ▼ buttons, and press the **SET** button.
4. Select the image size that you want to change with the ▲ / ▼ buttons, and press the **SET** button.
   - To quit compression, press the **MENU** button.
   - When compression ends, the screen returns to playback mode.

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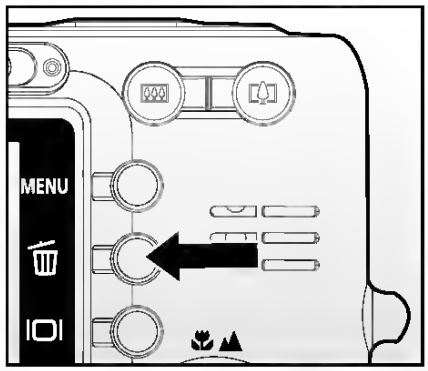
Erasing Images

Erasing at Photography Mode (Quick Delete Function)
The quick delete function enables you to delete the last-captured image during capture.

1. Slide the mode switch to [📷] or [🎥].
2. Press the [🗑] button.
   - The last image and quick delete menu appear on the screen.
3. Select [Execute] with the ▲ / ▼ buttons.
4. Press the **SET** button to confirm the deletion.
   - To not delete, select [Cancel], and press the **SET** button.



Erasing at Playback Mode

Erasing single image / Erasing all images

1. Slide the mode switch to [▶].
   - The last image will be displayed on the screen.
2. Select the image you want to erase with the ◀ / ▶ buttons.
3. Press the [🗑] button.
   - The deletion menu will be displayed.
4. Select [Single] or [All] with the ▲ / ▼ buttons, and press the **SET** button.
   - [Single]: Erases the selected image or the last image.
   - [All]: Erases all of the images except for the protected images.
   - [Select]: Erases a number of selected images.

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5. Select [Execute] with the ▲ / ▼ buttons, and press the **SET** button.
   ■ To not erase, select [Cancel], and press the **SET** button.

NOTE

■ Deleting an image will not affect sequential image numbering. For example, if you delete image number 240, the next captured image will be numbered 241 even though 240 no longer exists. In other words, an image-number is retired when an image is deleted and will not be reused or reassigned to another subsequently captured image.

Erasing selected images

This erases a number of selected images.

1. Slide the mode switch to [▶].
2. Press the [🗑] button.
   ■ The deletion menu will be displayed.
3. Select [Select] with the ▲ / ▼ buttons, and press the **SET** button.
   ■ The images are displayed in the thumbnail display.
4. Select the image you want to erase with the ▲ / ▼ / ◀ / ▶ buttons, and press the [🗑] button.
   ■ The [🗑] icon will be displayed. One more press of the erase button will cancel the operation. Repeat this procedure and select all the images that you want to erase.
5. Press the **SET** button.

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CONNECTING TO A PICTBRIDGE COMPLIANT PRINTER

If a printer that supports PictBridge is available, images can be printed by connecting the digital still camera directly to the PictBridge-compatible printer without using a computer.

Connecting the camera to the printer

1. Position the camera on the docking station.
2. Connect one end of the USB cable to the USB terminal of the docking station.
3. Connect the other end of the USB cable to the USB port on the printer.
4. Press the **USB** button.
   ■ The USB menu appears on the screen.
5. Select [Printer] and press the **SET** button.

Printing images

When the camera is properly connected to a PictBridge compliant printer, the PictBridge menu is displayed on the monitor.

1. Select the item you want to configure with the ▲ / ▼ buttons, and press the **SET** button.
   ■ [Images]: Select whether you want to print specific image or all images. You may also select printing number for specific image.
   ■ [Date Print]: According to the printer type, select whether you want to print the image with date imprint or not.
   ■ [Paper Size]: Select the desired paper size according to the printer type.
   ■ [Layout]: Select the desired printing layout according to the printer type.
   ■ [Print]: After all settings are configured, select this item to start printing.
2. If you select [Images] in the previous step, the figure shown on the right hand side will appear. Select [Select], [All] or [DPOF] with the ▲ / ▼ buttons, and press the **SET** button.
   ■ [Select]: Select to print one specific image.
   ■ [All]: Select to print all images.
   ■ [DPOF]: Select to print images with DPOF settings.

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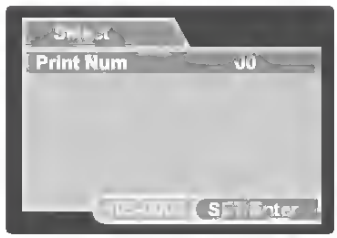
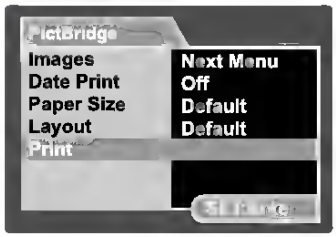
3. If you select [Select] in the previous step, the figure shown on the right hand side will appear.
   - Select the image that you want to print with the ◀ / ▶ buttons.
   - Select the [Print Num] (up to 99) with the ▲ / ▼ buttons.
   - After selecting the desired image and printing number, press the **SET** button to confirm.



4. Select [Exit] with the ▲ / ▼ buttons, and press the **SET** button.

5. Select [Print] with the ▲ / ▼ buttons, and press the **SET** button to start printing.



6. The printing starts and the figure shown on the right hand side appears.
   - The [COMPLETE] will be displayed temporarily, reminding you that the printing procedure is finished.
   - If a print error is detected, the [PRINT ERROR] will be displayed.

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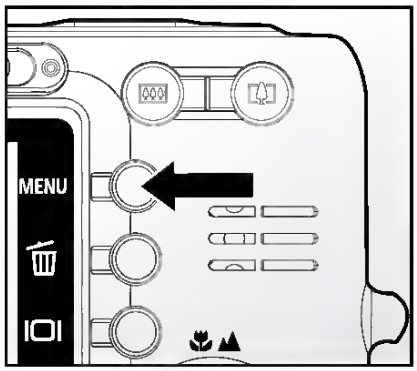
MENU OPTIONS

Capture Menu (Capture)

This menu is for the basic settings to be used when capturing still images.

1. Slide the mode switch to [📷].
2. Press the **MENU** button.
   ■ [Capture] menu is displayed.
3. Select the desired [Capture] option item with the ▲ / ▼ buttons, and press the **SET** button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the **SET** button.
5. To exit from the menu, press the **MENU** button.



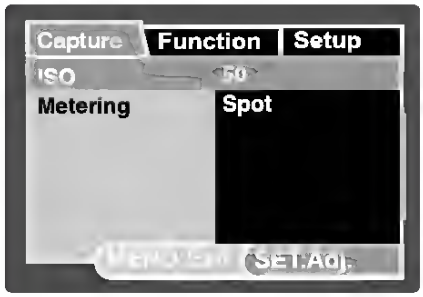
Scene Mode

Refer to section in this manual titled "Setting the Scene Mode" for further details.

Size

This sets the size of the image that will be captured.

* [▣] 3072 x 2304
* [▣] 2560 x 1920
* [▣] 1600 x 1200
* [▣] 640 x 480



Quality

This sets the quality (compression rate) at which the image is captured.

* [★★★] Fine
* [★★] Normal
* [★] Economy

Sharpness

This sets the sharpness of the image that will be captured.

* Hard / Normal / Soft

Saturation

This sets the saturation of the image that will be captured.

* High / Normal / Low

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White Balance

This sets the white balance capturing under a variety of lighting conditions and permits images to be captured that approach the conditions that are seen by the human eye.

* [**Blank**] Auto
* [ ] Incandescent
* [ ] Fluorescent 1
* [ ] Fluorescent 2
* [ ] Daylight
* [ ] Cloudy
* [ ] Manual

Manual WB

This manually sets the white balance and stores it. Use of this is convenient when the white balance does not offer a good match.

Before select [Execute] determine the subject (such as a white paper) that will be used to set the white balance.

* Cancel / Execute

ISO

This sets the sensitivity for capturing images. When the sensitivity is raised (and the ISO figure is increased), photography will become possible even in dark locations, but the more pixelated (grainier) the image will appear.

* 50 / 100 / 200 / Auto

Metering

This sets the metering method for calculating the exposure.

* **[Blank]** Average: Averages the light metered from the entire frame, but gives greater weight to the subject matter at the center.
* [ ] Spot: A very small portion of the center of the screen is measured, and the exposure is calculated.

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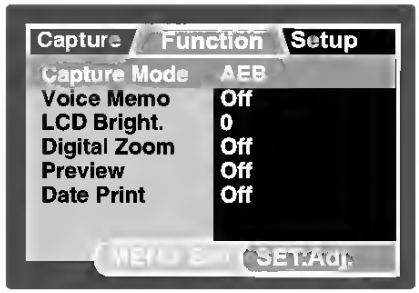
Capture Menu (Function)

1. Slide the mode switch to [📷].
2. Press the **MENU** button, and select the [Function] menu with the ▶ button.
   ■ [Function] menu is displayed.
3. Select the desired [Function] option item with the ▲ / ▼ buttons, and press the **SET** button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the **SET** button.
5. To exit from the menu, press the **MENU** button.



Capture Mode

This sets the recording method at the time of capturing images.

* [**Blank**] Single: Capture an image at a time.
* [🖵] Continuous: Permits continuous photography of 3 images max.
* [**AEB**] AEB: Permits 3 consecutive images in the order of standard exposure, underexposure and overexposure compensation.

NOTE

■ In [Continuous] and [AEB] capture mode, the voice memo is automatically fixed at [Off].

Voice Memo

Refer to section in this manual titled “Recording Voice Memos” for further details.

* On / Off

NOTE

■ When [Voice Memo] is set to [On], the preview setting is also fixed at [On].

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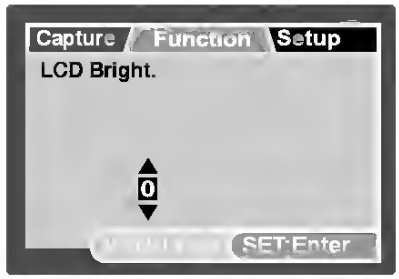
LCD Bright.

Select a brightness level for the LCD monitor. The LCD becomes brighter with the ▲ button and darker with the ▼ button. The adjustment range is from -5 to +5.



Digital Zoom

This sets whether or not to use digital zoom at the time of photography.
* On / Off

Preview

This sets whether or not to display the captured image on the screen immediately after the image is captured.
* On / Off

NOTE

■ When [Preview] is set to [Off], [Voice Memo] setting is also fixed at [Off].

Date Print

The date of recording can be printed directly on the still images. This function must be activated before the image is captured.
* On / Off

Date imprinted here

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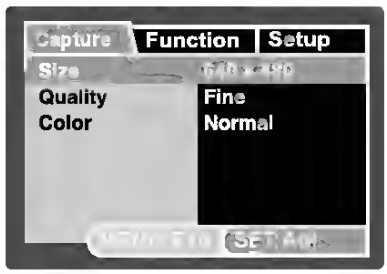
Video Menu (Capture)

This menu is for the basic settings to be used when recording video clips.

1. Slide the mode switch to [🎥].
2. Press the **MENU** button.
   ■ [Capture] menu is displayed.
3. Select the desired [Capture] option item with the ▲ / ▼ buttons, and press the **SET** button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the **SET** button.
5. To exit from the menu, press the **MENU** button.



Size

This sets the size of the video clip that will be captured.

* [▣] 640 x 480
* [▣] 320 x 240

Quality

This sets the quality (compression rate) at which the video clip is captured.

* [★★★] Fine
* [★★] Normal

Color

This sets the color of the video clip that will be captured.

* Normal / Vivid / Sepia / Monochrome

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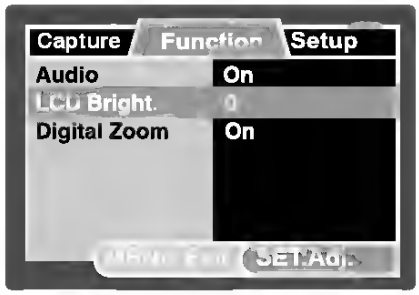
Video Menu (Function)

1. Slide the mode switch to [🎥].
2. Press the **MENU** button, and select the [Function] menu with the ▶ button.
   ■ [Function] menu is displayed.
3. Select the desired [Function] option item with the ▲ / ▼ buttons, and press the **SET** button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the **SET** button.
5. To exit from the menu, press the **MENU** button.



Audio

This sets whether or not to record audio at the time of video recording.

* On / Off

LCD Bright.

Refer to section in this manual titled “LCD Bright.” in Capture Menu (Function) for further details.

Digital Zoom

Refer to section in this manual titled “Digital Zoom” in Capture Menu (Function) for further details.

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Playback Menu

In the [▶] mode, set which settings are to be used for playback.

1. Slide the mode switch to [▶].
2. Press the **MENU** button.
   ■ The playback menu is displayed.
3. Select the desired option item with the ▲ / ▼ buttons, and press the **SET** button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the **SET** button.
5. To exit from the menu, press the **MENU** button.

Slide Show
Refer to section in this manual titled "Slideshow Display" for further details.

DPOF
Refer to section in this manual titled "DPOF Settings" for further details.

Protect
Refer to section in this manual titled "Protecting Images" for further details.

LCD Bright.
Refer to section in this manual titled "LCD Bright." in Capture Menu (Function) for further details.

Resize
Refer to section in this manual titled "Resizing an Image" for further details.

Quality
Refer to section in this manual titled "Compressing an Image" for further details.

Copy to Card
Allows you to copy your files from the digital still camera's internal memory to a memory card. Of course, you can only do this if you have a memory card installed and some files in internal memory.
* Cancel / Execute

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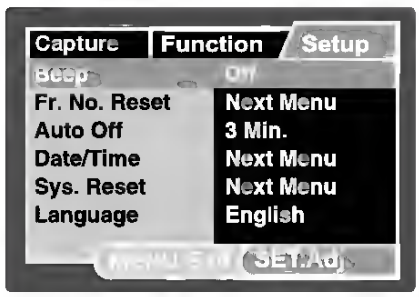
Setup Menu (In Photography Mode)

Set your camera's operating environment.

1. Slide the mode switch to [📷] or [🎥].
2. Press the **MENU** button, and select the [Setup] menu with the ▶ button.
   ■ [Setup] menu is displayed.
3. Select the desired [Setup] option item with the ▲ / ▼ buttons, and press the **SET** button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the **SET** button.
5. To exit from the menu, press the **MENU** button.



Beep
This sets whether or not to mute the camera sound each time you press the camera button.
* On / Off

Fr. No. Reset
This creates a new folder. The captured images are recorded to the newly created folder from number 0001.
* Cancel / Execute

Auto Off
If no operation is performed for a specific period of time, the power to the camera is automatically turned off. This feature is useful to reduce battery wear.
* 2 Min. / 3 Min. / 5 Min. / Off

Date/Time
Refer to section in this manual titled "Setting the Date and Time" for further details.

Sys. Reset
This returns all basic settings to the camera's default settings. The time setting will not be reset.
* Cancel / Execute

Language
Refer to section in this manual titled "Choosing the Language" for further details.

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Setup Menu (In Playback Mode)

1. Slide the mode switch to [▶].
2. Press the **MENU** button, and select the [Setup] menu with the ▶ button.
   ■ [Setup] menu is displayed.
3. Select the desired [Setup] option item with the ▲ / ▼ buttons, and press the **SET** button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the **SET** button.
5. To exit from the menu, press the **MENU** button.

Beep
Refer to section in this manual titled "Beep" in Setup Menu (In Photography Mode) for further details.

Format
Refer to section in this manual titled "Formatting the SD Memory Card or Internal Memory" for further details.

Fr. No. Reset
Refer to section in this manual titled "Fr. No. Reset" in Setup Menu (In Photography Mode) for further details.

Card Info.
This displays the free capacity of the SD memory card.

System Info.
This displays the firmware version of the camera.

Language
Refer to section in this manual titled "Choosing the Language" for further details.

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TRANSFERRING RECORDED IMAGES AND VIDEOS TO YOUR COMPUTER

System Requirements (Windows)

- Pentium III 600 MHz or higher
- Windows ME/2000/XP
- 64MB RAM
- 128MB hard disk space
- CD-ROM drive
- Available USB port

System Requirements (Macintosh)

- PowerPC G3/G4
- OS 9.0 or later
- 64MB RAM
- 128MB hard disk space
- CD-ROM drive
- Available USB port

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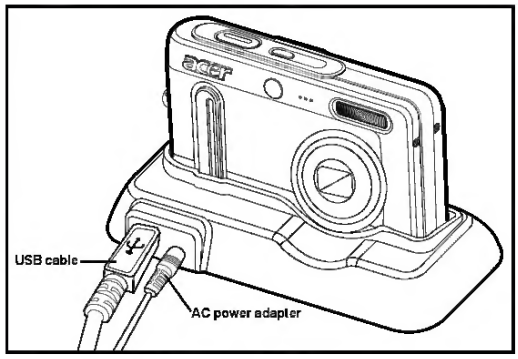
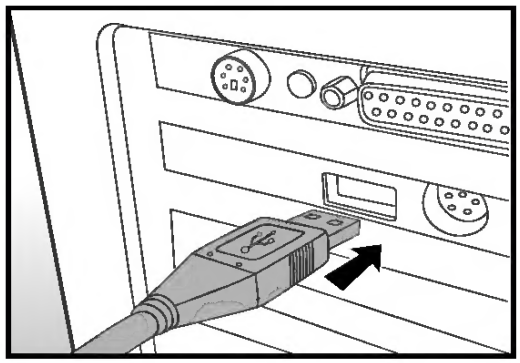
Connecting the Camera to Your Computer





1. Position the camera on the docking station.
2. Connect one end of the USB cable to the USB terminal of the docking station.
3. Connect the other end of the USB cable to an available USB port on your computer.
4. Press the USB button.
   - The USB menu appears on the screen.
5. Select [PC] and press the **SET** button.
   - USB screen appears on the screen.
6. From the Windows desktop, double click on "My Computer".
7. Look for a new "Removable disk" icon. This "Removable disk" is actually the memory card in your camera. Typically, the camera will be assigned drive letter "e" or higher.
8. Double click on the removable disk and locate the DCIM folder.
9. Double click on the DCIM folder to open it to find more folders.
   - Your recorded images and video clips will be inside these folders.
   - Copy & Paste or Drag-N-Drop image and video files to a folder on your computer.
10. To exit from USB mode, press the USB button.

Mac users: Double-click the "untitled" or "unlabeled" disk drive icon on our desktop. iPhoto may automatically launch.

NOTE

- The data saved to the SD memory card may be damaged if the power to the camera is cut off during image transfer. We recommend that you use the AC power adapter when connecting the camera to the PC.

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Downloading Images and Video Files

When the camera is turned on and connected to your computer, it is considered to be a disk drive, just like a floppy disk or CD. You can download (transfer) images by copying them from the "Removable disk" ("untitled" or "unlabeled" disk on a Macintosh) to your computer hard drive.

Windows

Open the "removable disk" and subsequent folders by double clicking on them. Your images are inside these folder(s). Select the images that you want, and then choose "Copy" from the "Edit" menu. Open the destination location (folder) and choose "Paste" from the "Edit" menu. You may also drag and drop image files from the camera to a desired location.

Macintosh

Open the "untitled" disk icon, and the destination location on your hard disk. Drag and drop from the camera to the desired destination.

NOTE

- Memory card users may prefer to use a memory card reader (highly recommended).
- Video playback application is not included with the package. Make sure that video playback application has been installed in your computer.

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CAMERA SPECIFICATIONS

Item	Description
Image sensor	1/2.5" CCD sensor (7.40 megapixels)
Image resolution	<Still image> 3072 x 2304, 2560 x 1920, 1600 x 1200, 640 x 480 <Video clip> 640 x 480 (30 fps), 320 x 240 (30 fps)
LCD monitor	2.5" full color LTPS LCD (230K pixels)
Recording media	32 MB internal memory (approx. 26 MB for image storage) Supports SD memory card (from 32 MB up to 1 GB) (optional)
Compression format	JPEG
File format	DCF, EXIF 2.2, DPOF, ASF
Lens	3x optical zoom lens Aperture range: 2.8(W) – 4.8(T) Focal length: 5.8mm – 17.4mm (equivalent to 34mm – 102mm on a 35mm camera)
Focus range	Standard: Approx. 50cm to infinity Macro: Approx. 6cm to infinity (Wide) Approx. 35cm to infinity (Tele)
Shutter speed	1/2 – 1/1000 sec.
Digital zoom	4x (Capture mode) 4x (Playback mode)
Flash effective range	0.5m – 2.4m (Wide)
Terminal	DC in & USB (with docking station)
Power supply	Rechargeable Lithium-ion battery (3.7V) AC power adapter with docking station (5V/2A)
Dimension	Approx. 90 x 54 x 18mm (without protruding parts)
Weight	Approx. 125g (without battery and SD memory card)

* Design and specifications are subject to change without notice.

* If the video cannot be playback in the WMP 9.0, please you have to update the renewed of WMP 9.0 from the Microsoft website.

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